

FACILITATING CUSTOMIZATION OF EMBEDDED SYSTEM FUNCTIONALITY

ABSTRACT OF THE DISCLOSURE

A computer system comprises a service processor, flash memory, and service processor main memory accessible by the service processor and coupled to the flash memory. The service processor is coupled to various data processing system components of the computer system. The flash memory includes protected memory space having protected system functionality components stored therein and unprotected memory space having a custom system functionality component stored therein. The protected system functionality components and the custom system functionality component are loadable into the service processor main memory from the flash memory. The custom system functionality component is stored in place of a corresponding default system functionality component that is designated as being customisable. The protected system functionality components, which are not customisable, and the custom system functionality component jointly define system functionality and enable customisation of such system functionality in a template-like manner. Enabling customisation in a template-like manner refers to the custom system functionality components being overlaid onto the protected system functionality components in a predetermined manner and in a manner that precludes modification to an underlying structure of associated source code.